

Major Road



Tags

United States, 2009, Analysis, 2010, USA, 2013, 2011, 2006, ground, Network, Network, Highways, 2012, 2014, 2008, 2007, Highways, Transportation, nhpn, 2015

Summary

The primary purpose of this geospatial data set is to serve the FHWA needs in highway planning, policy analysis, visualization of the Highway Performance Monitoring System (HPMS) database and network modelling.

Description

The NHPN is a Geographical Information System (GIS) database that contains line features representing over 450,000 miles of current and planned highways in the United States, including the National Highway System (NHS), the Strategic Highway Network (STRANET), and rural minor arterial. The current NHPN contains a set of data attributes that are suited to analytical modelling of large-scale transportation activities.

Credits

There are no credits for this item.

Use limitations

The NHPN Version 14.05 database, or any portion thereof, can be freely distributed as long as this metadata entry is included with each distribution. The original metadata entry cannot be modified or deleted from any data transfer.

Extent

West -166.365602 East -66.980046
North 71.320256 South 18.914737

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE transportation

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS United States, USA

STRATUM KEYWORDS ground

TEMPORAL KEYWORDS 2009, 2010, 2013, 2011, 2006, 2012, 2014, 2008, 2007, 2015

THEME KEYWORDS Analysis, Network, Highways, Transportation, nhpn
THESAURUS ►
TITLE Roads

THEME KEYWORDS transportation
THESAURUS
TITLE ISO 19115 Topic Categories

THEME KEYWORDS Network, Highways

Citation

TITLE Major Road
PUBLICATION DATE 2014-05-01
PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data
OTHER CITATION DETAILS
The NHPN Version 14.05 database was created on behalf of FHWA by the members of Maks Inc., Columbus, OH.

Citation Contacts

RESPONSIBLE PARTY
ORGANIZATION'S NAME Office of the Assistant Secretary for Research and Technology/Bureau of Transportation Statistics
CONTACT'S ROLE publisher
CONTACT INFORMATION
ADDRESS
TYPE
DELIVERY POINT 1200 New Jersey Ave. SE, Washington, DC, 20590

RESPONSIBLE PARTY
ORGANIZATION'S NAME Federal Highway Administration (FHWA)
CONTACT'S ROLE publisher
CONTACT INFORMATION
ADDRESS
DELIVERY POINT Washington DC

Resource Details

DATASET LANGUAGES English (UNITED STATES)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format
STATUS under development
SPATIAL REPRESENTATION TYPE vector
* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322
ARCGIS ITEM PROPERTIES
* NAME road_centerline_v5
* SIZE 245.451
LOCATION withheld
* ACCESS PROTOCOL Local Area Network

Extents

EXTENT
DESCRIPTION
publication date
TEMPORAL EXTENT
DATE AND TIME 2014-05-01
EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE

WEST LONGITUDE -166.365602
EAST LONGITUDE -66.980046
SOUTH LATITUDE 18.914737
NORTH LATITUDE 71.320256

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -166.365602

* EAST LONGITUDE -66.980046

* NORTH LATITUDE 71.320256

* SOUTH LATITUDE 18.914737

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -166.365602

* EAST LONGITUDE -66.980046

* SOUTH LATITUDE 18.914737

* NORTH LATITUDE 71.320256

* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact

POINT OF CONTACT

INDIVIDUAL'S NAME National Transportation Atlas Databases (NTAD) 2015

ORGANIZATION'S NAME Office of the Assistant Secretary for Research and Technology/Bureau of Transportation Statistics

CONTACT'S POSITION Geospatial Information Systems

CONTACT'S ROLE point of contact

CONTACT INFORMATION

PHONE

VOICE 202-366-DATA

ADDRESS

TYPE

DELIVERY POINT 1200 New Jersey Ave. SE

CITY Washington

ADMINISTRATIVE AREA DC

POSTAL CODE 20590

E-MAIL ADDRESS answers@BTS.gov

POINT OF CONTACT

ORGANIZATION'S NAME Federal Highway Administration (FHWA)

CONTACT'S ROLE point of contact

CONTACT INFORMATION

ADDRESS

TYPE

DELIVERY POINT Washington DC

POINT OF CONTACT

INDIVIDUAL'S NAME Mr. Mark Sarmiento

ORGANIZATION'S NAME Federal Highway Administration, Office of Planning, HEPP-30

CONTACT'S ROLE point of contact

CONTACT INFORMATION

PHONE

VOICE (202) 366-4828

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ADDRESS

TYPE both

DELIVERY POINT 1200 New Jersey Ave., SE

CITY Washington

ADMINISTRATIVE AREA DC

POSTAL CODE 20590

COUNTRY US

Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

Resource Constraints

LEGAL CONSTRAINTS

LIMITATIONS OF USE

None

SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CONSTRAINTS

LIMITATIONS OF USE

The NHPN Version 14.05 database, or any portion thereof, can be freely distributed as long as this metadata entry is included with each distribution. The original metadata entry cannot be modified or deleted from any data transfer.

Spatial Reference

ARCGIS COORDINATE SYSTEM

* TYPE Geographic

* GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984

* COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4326

X ORIGIN -400

Y ORIGIN -400

XY SCALE 11258999068426.238

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 8.983152841195215e-009

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LEFT LONGITUDE -180

LATEST WELL-KNOWN IDENTIFIER 4326

WELL-KNOWN TEXT GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID
["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433],AUTHORITY["EPSG",4326]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 4326

* CODESPACE EPSG

* VERSION 8.2.6

Spatial Data Properties

VECTOR

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME road_centerline_v5

* OBJECT TYPE composite

* OBJECT COUNT 626366

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME road_centerline_v5

* FEATURE TYPE Simple

* GEOMETRY TYPE Polyline

* HAS TOPOLOGY FALSE

* FEATURE COUNT 626366

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

Data Quality

SCOPE OF QUALITY INFORMATION

RESOURCE LEVEL **dataset**

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY

MEASURE DESCRIPTION

The uniqueness of entity IDs and the values of begin and end milepost values were generated by the computer algorithm developed under ArcGIS 10.1 environment.

DATA QUALITY REPORT - COMPLETENESS OMISSION

MEASURE DESCRIPTION

All NHPN links with HPMS 2010 GIS network representation have been conflated to the NHPN. HPMS attributes State_Code, Year_Record, Route_ID, Begin_Point, End_Point, F_SYSTEM has been transferred. The Begin_Point, End_Point fields have been calibrated based on shape length and sequence when a link was split.

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY

MEASURE DESCRIPTION

OST-R/BTS quality checks were for cross referencing purposes. The dataset was cross-referenced with the state dataset to determine if the spatial data and attribute data were accurate within each state.

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY

DIMENSION horizontal

MEASURE DESCRIPTION

The original elements of the NHPN have been conflated to the HPMS 2010 GIS network, which requires spatial resolution of 1:100,000 or better. However, most of the state submitted data has spatial resolution between 1:5,000 and 1:10,000.

Lineage

PROCESS STEP

WHEN THE PROCESS OCCURRED 1993-07-01

DESCRIPTION

Conflation of NHPN V1 to DLG-3 road alignments using R-MATCH software developed by the Geographic Information Systems Group, University of Tennessee.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES **DLG-3**

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES **NHPN V1**

PROCESS STEP

WHEN THE PROCESS OCCURRED 1993-12-31

DESCRIPTION

Digitizing and converting of state-supplied digital and map data. Line work geodetically controlled to match DLG-3 line work.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES **DLG-3**

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES **State Data**

PROCESS STEP

WHEN THE PROCESS OCCURRED 1994-09-15

DESCRIPTION

Integration of conflated version of NHPN V1 and assimilated state data into a comprehensive topologically integrated network database. States edge matched and NHS attributes verified.

PROCESS STEP

WHEN THE PROCESS OCCURRED 1997-01-15

DESCRIPTION

Integration of supplemental state data into the NHPN V2. NHS attributes verified.

PROCESS STEP

WHEN THE PROCESS OCCURRED 1998-01-01

DESCRIPTION

Integration of intermodal connector links into the NHPN V2. States edge matched and NHS attributes verified.

PROCESS STEP

WHEN THE PROCESS OCCURRED 1999-10-01

DESCRIPTION

Integration of Ramp Group Cordon Boundary nodes into the NHPN for future addition of ramp group features. States edge matched, NHS attributes verified, and national LRSKEY added to facilitate a national route system.

PROCESS STEP

WHEN THE PROCESS OCCURRED 1999-10-01

DESCRIPTION

Attachment of a Linear Referencing System to the NHPN V2. State Data used for LRS attribute information.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2000-02-25

DESCRIPTION

Further integration of Ramp Group Cordon Boundary nodes into the NHPN for future addition of ramp group features. States edge matched, NHS attributes verified.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2001-06-01

DESCRIPTION

Update of Linear Referencing System to the NHPN V4.0. State data used for LRS attribute information.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2002-07-30

DESCRIPTION

Update and integrate intermodal terminals. States geo-location matched and attributes verified.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2002-07-30

DESCRIPTION

Update and rebuild Linear Referencing System to the NHPN V 2002.10. State data used for LRS attribute information.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2002-07-30

DESCRIPTION

Conflation of NHPN V.4 RAT data to NHPN V 2002.10 arc and calibrate arc milepost LRS anchor information using R-TAG Interface developed by the Transport Modeling and GIS-T Applications Group, Transportation & Space division, Battelle, Columbus, Ohio.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2002-07-30

DESCRIPTION

NHPN V.4 Route System's directionality, Route Attribute Table and milepost anchor values verified with state-submitted HPMS data elements. Anomalies are corrected or modified onto the NHPN V 2002.10 route system.

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2002-07-30

DESCRIPTION

Update LRS directionality and calibrate LRS milepost attribute value to match state supplied HPMS to the NHPN V 2002.10 route system. State and FHWA HPMS-2001 data used for LRS attribute information.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2002-07-30

DESCRIPTION

Update NHS and intermodal connector links. States edge matched and NHS attributes verified.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2003-06-01

DESCRIPTION

Coverage to geodatabase conversion.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES NHPN 2002.10

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP produced

SOURCE CITATION

ALTERNATE TITLES NHPN Geo 2003

PROCESS STEP

WHEN THE PROCESS OCCURRED 2003-06-01

DESCRIPTION

Conversion of Spatial co-ordinate system from NAD 27 to NAD 83.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES NHPN Geo 2003

PROCESS STEP

WHEN THE PROCESS OCCURRED 2003-07-01

DESCRIPTION

Assigned road name attributes for arcs where SIGN values are not available.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES State Data 2003

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES CENSUS/TIGER/Line 2000

PROCESS STEP

WHEN THE PROCESS OCCURRED 2003-08-01

DESCRIPTION

Corrected topological errors using ArcGIS 8.3 geodatabase topology rules.

SOURCE DATA
RELATIONSHIP TO THE PROCESS STEP used
SOURCE CITATION
ALTERNATE TITLES NHPN Geo 2003

PROCESS STEP

WHEN THE PROCESS OCCURRED 2003-10-01

DESCRIPTION

Transferred route information from the NHPN route to the NHPN arc features

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES NHPN Geo 2003

PROCESS STEP

WHEN THE PROCESS OCCURRED 2003-11-01

DESCRIPTION

Revised and modified arc feature's topology direction with state submitted route feature and/or HPMS route direction.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES State Data 2003

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES HPMS 2002

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES State Data 2002

PROCESS STEP

WHEN THE PROCESS OCCURRED 2003-12-01

DESCRIPTION

Verified arcs direction with state submitted GIS data and HPMS.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES HPMS 2002

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES State Data 2003

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES State Data 2002

PROCESS STEP

WHEN THE PROCESS OCCURRED 2004-01-01

DESCRIPTION

Created new NHPN route system from the NHPN arc's embedded route information with the aid of computer algorithm developed under ArcGIS environment.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES NHPN Geo 2003

PROCESS STEP

WHEN THE PROCESS OCCURRED 2004-02-01

DESCRIPTION

Updated CENSUS small urban area code and HPMS urbanized area code to the arc and node features.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES Urban Area 2003

PROCESS STEP

WHEN THE PROCESS OCCURRED 2004-03-01

DESCRIPTION

Modified NHS codes as per direction of the FHWA. NHS codes 2,5, and 6 as reported in the previous versions of NHPN were changed to 7,3, and 4 respectively.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES NHPN Geo 2003

PROCESS STEP

WHEN THE PROCESS OCCURRED 2005-06-15

DESCRIPTION

Modified NHS based on amendments

PROCESS STEP

WHEN THE PROCESS OCCURRED 2005-06-15

DESCRIPTION

Changed STRAHNET codes 1, 2, and 3 to 6, 1 and 2 respectively. Replaced definition of codes 3, 4 and 5 as Rural Non-Designated Interstate, Urban Designated Interstate and Urban Non-Designated Interstate respectively.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES NHPN 2004.10

PROCESS STEP

WHEN THE PROCESS OCCURRED 2005-07-01

DESCRIPTION

Identified and assigned status code 2 to the ferry routes.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES NHPN 2004.10

PROCESS STEP

WHEN THE PROCESS OCCURRED 2005-07-01

DESCRIPTION

Added status code as per direction of the FHWA. Status code 2 was added to identify ferry routes.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2005-07-01

DESCRIPTION

Added STRAHNET connectors and corresponding to FAC_ID and CONN_DES.

SOURCE DATA

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION

ALTERNATE TITLES STRAHNET Connectors

PROCESS STEP

WHEN THE PROCESS OCCURRED 2005-07-15 00:00:00

DESCRIPTION

Verified Intermodal terminals.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Connectivity errors fix for overshoot and undershoot errors

SOURCE DATA

DESCRIPTION

NHPN 14.05

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Dangling errors fix for overshoot and undershoot errors

SOURCE DATA

DESCRIPTION

NHPN 14.05

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Edge matching to connect interstates and other appropriate links from adjacent states

SOURCE DATA

DESCRIPTION

NHPN 14.05

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Record ID assignments using computer program to ensure unique ID assignment and to keep a connection to previous version of NHPN

SOURCE DATA

DESCRIPTION

NHPN 14.05

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Topology validations to remove overlap errors

SOURCE DATA

DESCRIPTION

NHPN 14.05

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Mile marker calibration and line direction fix using custom built ArcGIS tool that takes into account the connectivity of adjacent links and the shape lengths.

SOURCE DATA

DESCRIPTION

NHPN 14.05

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Conflation of NHPN based on HPMS

SOURCE DATA

DESCRIPTION

HPMS 2010, NHPN 2010

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Building the Node-Link Geometry for conflation. Steps include splitting line at intersection using ArcGIS planarize tool, creating node point features for the intersections, removing uncommon points in overpass/underpass

SOURCE DATA

DESCRIPTION

HPMS 2010, NHPN 2010

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Attribute conflation

SOURCE DATA

DESCRIPTION

HMPS 2010, NHPN 2010

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Simplify features using custom built ArcGIS tool

SOURCE DATA

DESCRIPTION

NHPN 14.05

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-05-01 00:00:00

DESCRIPTION

Dual carriage treatments to covert dual carriage from HPMS to a centerline

SOURCE DATA

DESCRIPTION

HPMS 2010

SOURCE DATA

DESCRIPTION

Alignment, shape and location of intermodal connectors and terminals

SOURCE CITATION

TITLE State-supplied digital and map data

ALTERNATE TITLES State Data

EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT

DATE AND TIME 2002-01-01

SOURCE DATA

DESCRIPTION

Alignments, sign route NHS classification for National Highway System.

SOURCE CITATION

TITLE State-supplied digital and map data

ALTERNATE TITLES State Data

EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT

DATE AND TIME 1993-11-01

SOURCE DATA

DESCRIPTION

Alignment, shape and location of intermodal connectors and terminals

SOURCE CITATION

TITLE CENSUS TIGER/Line 2000

ALTERNATE TITLES TIGER

EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT
 DATE AND TIME 2000-01-01
 SOURCE DATA
 DESCRIPTION
 Linear Referencing System Attributes
 SOURCE CITATION
 TITLE State-supplied digital and map data
 ALTERNATE TITLES State Data
 EXTENT OF THE SOURCE DATA
 DESCRIPTION
 Unknown
 TEMPORAL EXTENT
 DATE AND TIME 1993-11-01
 SOURCE DATA
 DESCRIPTION
 Delineated STRAHNET Priority 1 and Priority 2 connectors.
 SOURCE CITATION
 TITLE STRAHNET Connectors
 ALTERNATE TITLES STRAHNET connectors
 EXTENT OF THE SOURCE DATA
 DESCRIPTION
 Unknown
 TEMPORAL EXTENT
 DATE AND TIME 2005-01-01
 SOURCE DATA
 DESCRIPTION
 Provided a platform for topological Q/C analysis.
 SOURCE CITATION
 TITLE National Highway Planning Network V2002.10 Geodatabase format
 ALTERNATE TITLES NHPN Geo 2003
 EXTENT OF THE SOURCE DATA
 DESCRIPTION
 Unknown
 TEMPORAL EXTENT
 DATE AND TIME 2003-01-01
 SOURCE DATA
 DESCRIPTION
 Assign CENSUS Small Urban Area code. Assign HPMS Urbanized Area code. Assign Rural/Urban Code.
 SOURCE CITATION
 TITLE Urban Area
 ALTERNATE TITLES Urban Area 2003
 RESPONSIBLE PARTY
 ORGANIZATION'S NAME Transport Modeling and GIS-T Application Group, Transportation & Space division, Battelle
 CONTACT'S ROLE originator
 EXTENT OF THE SOURCE DATA
 DESCRIPTION
 Unknown
 TEMPORAL EXTENT
 DATE AND TIME 2003-01-01
 SOURCE DATA
 EXTENT OF THE SOURCE DATA
 DESCRIPTION
 Unknown
 TEMPORAL EXTENT
 DATE AND TIME 2010-01-01
 SOURCE DATA
 DESCRIPTION
 Updated FAC_ID, CONN_ID, CONN_DES and CONN_MILES. All the updates were made on this version of the NHPN
 TITLE FHWA Intermodal Facility and Connectors
 ALTERNATE TITLES FHWA Intermodal Facility and Connectors
 EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT

DATE AND TIME 2005-01-01

SOURCE DATA

DESCRIPTION

Road alignments for rural and urban highways.

SOURCE CITATION

TITLE USGS Digital Line Graph (DLG-3) Series

ALTERNATE TITLES DLG-3

EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT

DATE AND TIME 1978-01-01

SOURCE DATA

DESCRIPTION

Non-verified attributes for rural highways.

SOURCE CITATION

TITLE National Highway Planning Network V1.1

ALTERNATE TITLES NHPN V1

RESPONSIBLE PARTY

ORGANIZATION'S NAME Bruce Peterson, Oak Ridge National Laboratory

CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT

DATE AND TIME 1992-07-01

SOURCE DATA

DESCRIPTION

Fixed LRS route direction to match HPMS mileage direction. Calibrate LRS milepost attribute value to match state supplied HPMS. Create/modify of new LRS Routes to match state supplied HPMS. Assign a road name attribute for arcs where SIGN values are not available.

SOURCE CITATION

TITLE Geographic Information System (GIS) Data and paper maps

ALTERNATE TITLES State Data 2003

RESPONSIBLE PARTY

ORGANIZATION'S NAME State

CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT

DATE AND TIME 2005-01-01

SOURCE DATA

DESCRIPTION

Alignment, shape and location of ramp features

SOURCE CITATION

TITLE CENSUS TIGER/Line 1994

ALTERNATE TITLES TIGER

EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT

DATE AND TIME 1994-01-01

SOURCE DATA

DESCRIPTION

Upgrade NHPN format to Geodatabase.

SOURCE CITATION

TITLE National Highway Planning Network V2002.10

ALTERNATE TITLES NHPN 2002.10

EXTENT OF THE SOURCE DATA

DESCRIPTION

publication date

TEMPORAL EXTENT

DATE AND TIME 2002-10-01

SOURCE DATA

DESCRIPTION

Alignments and attributes for urban highways. Sign route and function class attributes for principal arterial system.

SOURCE CITATION

TITLE State-supplied digital and map data

ALTERNATE TITLES State Data

EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT

DATE AND TIME 1992-12-31

SOURCE DATA

DESCRIPTION

Calibration of LRS milepost attribute value. Creation of new LRS Routes.

SOURCE CITATION

TITLE Highway Performance Monitoring System

ALTERNATE TITLES HPMS 2002

RESPONSIBLE PARTY

ORGANIZATION'S NAME State

CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA

DESCRIPTION

Unknown

TEMPORAL EXTENT

DATE AND TIME 2003-01-01

SOURCE DATA

DESCRIPTION

Provided the NHPN network that was conflated to HPMS 2010

SOURCE CITATION

TITLE National Highway Planning Network V2010.11

ALTERNATE TITLES NHPN 2010

SOURCE DATA

DESCRIPTION

Provided a GIS network with better spatial resolution that was used to conflate the NHPN to obtain better spatial accuracy. In addition, it was the source for several new attributes included in NHPN 14.05.

SOURCE CITATION

TITLE HPMS 2010 spatial network

ALTERNATE TITLES HPMS 2010

Distribution

DISTRIBUTOR

CONTACT INFORMATION

INDIVIDUAL'S NAME National Transportation Atlas Databases (NTAD) 2015

ORGANIZATION'S NAME Office of the Assistant Secretary for Research and Technology/Bureau of Transportation Statistics

CONTACT'S POSITION Geospatial Information Systems

CONTACT'S ROLE distributor

CONTACT INFORMATION

PHONE

VOICE 202-366-DATA

ADDRESS

TYPE

DELIVERY POINT 1200 New Jersey Ave. SE

CITY Washington

ADMINISTRATIVE AREA DC

POSTAL CODE 20590

E-MAIL ADDRESS answers@BTS.gov

AVAILABLE FORMAT

NAME ESRI Shapefile

VERSION 2015

FILE DECOMPRESSION TECHNIQUE No compression applied. However, if using digital transfer online option, note access instructions.

ORDERING PROCESS

TERMS AND FEES None

DATE OF AVAILABILITY 2015-01-01 00:00:00

INSTRUCTIONS

Call (202-366-DATA), or E-mail (answers@bts.gov) BTS to request the National Transportation Atlas Databases (NTAD) 2015 DVD. This and other BTS products may be ordered from the BTS Internet site (http://www.bts.gov/programs/geographic_information_services/).

TRANSFER OPTIONS

TRANSFER SIZE 145.986

MEDIUM OF DISTRIBUTION

MEDIUM NAME DVD

HOW DATA IS WRITTEN iso9660 (CD-ROM)

RECORDING DENSITY 650

DENSITY UNITS OF MEASURE megabytes

TRANSFER OPTIONS

ONLINE SOURCE

DESCRIPTION National Transportation Atlas Databases (NTAD) 2015

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

TRANSFER OPTIONS

* TRANSFER SIZE 245.451

ONLINE SOURCE

LOCATION <http://www.fhwa.dot.gov>

Fields

DETAILS FOR OBJECT [road_centerline_v5](#)

* TYPE Feature Class

* ROW COUNT 626366

DEFINITION

National Highway Planning Network

DEFINITION SOURCE

FHWA & OST-R/BTS

FIELD [Shape_Length](#)

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Length of feature in internal units.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

FIELD [STFIPS](#)

* ALIAS STFIPS

* DATA TYPE String

* WIDTH 2

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

State FIPS Code

DESCRIPTION SOURCE

FHWA

CODED VALUES

NAME OF CODELIST Federal Information Processing Standard- FIPS Pub 6-4

SOURCE National Institute for Standards and Technology (NIST)

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

FIELD Shape

* ALIAS Shape

* DATA TYPE Geometry

* WIDTH 0

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Coordinates defining the features.

FIELD YEAR_RECOR

* ALIAS YEAR_RECOR

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The calendar year for which the data are being reported.

DESCRIPTION SOURCE

FHWA HPMS 2010

FIELD ROUTE_ID

* ALIAS BEGIN_POIN

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The unique identifier for a given roadway (i.e., route).

DESCRIPTION SOURCE

FHWA HPMS 2010

FIELD BEGIN_POIN

* ALIAS END_POINT

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The point of origin for a given section of road. This value from the HPMS has been calibrated using computer algorithm during conflation process.

DESCRIPTION SOURCE

FHWA HPMS 2010

FIELD END_POINT

* ALIAS ROUTE_ID

* DATA TYPE String

* WIDTH 35

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The terminus point for a given section of road. This value from the HPMS has been calibrated using computer algorithm during conflation process.

DESCRIPTION SOURCE

FHWA HPMS 2010

FIELD ROUTE_ID

- * ALIAS F_SYSTEM
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The unique identifier for a given roadway (i.e., route).

DESCRIPTION SOURCE

FHWA HPMS 2010

FIELD F_SYSTEM

- * ALIAS FACILITY_T
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The functional system upon which the section is located.

DESCRIPTION SOURCE

HPMS Field Manual

LIST OF VALUES

VALUE 1

DESCRIPTION Rural Principal Arterial - Interstate

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 2

DESCRIPTION Rural Principal Arterial - Other

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 6

DESCRIPTION Rural Minor Arterial

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 7

DESCRIPTION Rural Major Collector

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 8

DESCRIPTION Rural Minor Collector

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 9

DESCRIPTION Rural Local

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 11

DESCRIPTION Urban Principal Arterial - Interstate

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 12

DESCRIPTION Urban Principal Arterial - Other Freeways and Expressways

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 14

DESCRIPTION Urban Principal Arterial - Other

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 16

DESCRIPTION Urban Minor Arterial

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 17

DESCRIPTION Urban Collector

VALUE 19

DESCRIPTION Urban Local

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

FIELD FACILITY_T

* ALIAS URBAN_CODE

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

This item is used to determine whether a roadway or structure is a one- or two-way operation. The operational characteristic of the roadway

DESCRIPTION SOURCE

HPMS Field Manual

LIST OF VALUES

VALUE 1

DESCRIPTION One-Way Roadway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 2

DESCRIPTION Two-Way Roadway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 3

DESCRIPTION One-Way Structure (Bridge, Tunnel, Causeway, etc.)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

VALUE 4

DESCRIPTION Two-Way Structure (Bridge, Tunnel, Causeway, etc.)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE HPMS Field Manual

FIELD URBAN_CODE

* ALIAS RECTYPE

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The U.S. Census Urban Area Code.

DESCRIPTION SOURCE

FHWA HPMS 2010

FIELD RECTYPE

* ALIAS VERSION

* DATA TYPE String

* WIDTH 15

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Identifies arc file records.

DESCRIPTION SOURCE

FHWA

CODED VALUES

NAME OF CODELIST "L"

SOURCE FHWA

FIELD VERSION

* ALIAS RECID

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Used for maintaining consistency across data files containing alternate releases of the NHPN. The Version Code consists of a leading Version Number (the year of release) and a trailing number (the month of release), thus, 2004.06 describes Major Release for the year 2004 and month 06.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

Character set

FIELD RECID

* ALIAS ORIGID

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

A unique numeric ID associated with each arc of NHPN version 2014.05.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

Positive Integers.

FIELD ORIGID

* ALIAS CTFIPS

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

A unique numeric ID associated with each arc of previous versions of NHPN as appropriate.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

Positive Integers.

FIELD CTFIPS

* ALIAS SOURCE

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

3 digit FIPS code for the county the arc resides.

DESCRIPTION SOURCE

Federal Information Processing Standards

CODED VALUES

NAME OF CODELIST Federal Information Processing Standard, Publication 6-4

SOURCE National Institute for Standards and Technology (NIST)

FIELD SOURCE

* ALIAS LGURB

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Source of arc

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 'H'

DESCRIPTION Conflated fom HPMS

VALUE 'T'

DESCRIPTION Tiger File

VALUE 'D'

DESCRIPTION Digitized

VALUE 'S'

DESCRIPTION State

VALUE 'U'

DESCRIPTION Unknown

FIELD LGURB

* ALIAS SMURB

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Three digit Highway Performance Monitoring System (HPMS) Urbanized Area code for the Adjusted Urbanized Area in which the arc lies. A value of 0 indicates the arc is outside any HPMS Adjusted Urbanized Areas.

DESCRIPTION SOURCE

CENSUS 2010

RANGE OF VALUES

MINIMUM VALUE 00

MAXIMUM VALUE 999

FIELD SMURB

* ALIAS SIGN1

* DATA TYPE String

* WIDTH 7

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

5 digit CENSUS Small Urban Area code for cities under 50,000 population in 2010. A value of 0 indicates the arc is outside any Small Urban Area.

DESCRIPTION SOURCE

CENSUS 2010

RANGE OF VALUES

MINIMUM VALUE 00

MAXIMUM VALUE 99999

FIELD SIGN1

* ALIAS SIGNT1

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Contains the designated primary Sign Route for the arc.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

The character string is composed of three sub fields SIGNT1, SIGNN1, and SIGNQ1.

FIELD SIGNT1

* ALIAS SIGNN1

* DATA TYPE String

* WIDTH 5

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Describes the type of the sign route.

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 'I'

DESCRIPTION Interstate

VALUE 'U'

DESCRIPTION US Route

VALUE 'S'

DESCRIPTION State Route

VALUE 'O'

DESCRIPTION Off-Interstate Business Marker

VALUE 'C'

DESCRIPTION County Route

VALUE 'T'

DESCRIPTION Township

VALUE 'M'

DESCRIPTION Municipal

VALUE 'P'

DESCRIPTION Parkway or Forest Route Marker

VALUE 'N'

DESCRIPTION None of the above

VALUE (blank)

DESCRIPTION Not signed or not applicable

FIELD SIGNN1

* ALIAS SIGNQ1

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Contains the actual sign route numbers. Using HPMS standards, an optional directional indicator (N, S, E, W) can also be used as part of this field.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

Alpha Numeric

FIELD SIGNQ1

* ALIAS SIGN2

* DATA TYPE String

* WIDTH 7

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Sign Route Qualifier Record which is used to qualify the sign route description follows the Sign Route Number.

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 'A'

DESCRIPTION Alternate Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 'B'

DESCRIPTION Business Route

VALUE 'P'

DESCRIPTION By Pass

VALUE 'S'

DESCRIPTION Spur

VALUE 'L'

DESCRIPTION Loop

VALUE 'F'

DESCRIPTION Proposed (future)

VALUE 'D'

DESCRIPTION Temporary (detour)

VALUE 'T'

DESCRIPTION Truck Route

VALUE 'N'

DESCRIPTION None of the above

VALUE (Blank)

DESCRIPTION No Qualifier, not signed, or not applicable.

FIELD SIGN2

* ALIAS SIGNT2

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Contains the designated secondary Sign Route for the arc.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

The character string is composed of three sub fields SIGNT2, SIGNN2, and SIGNQ2.

FIELD SIGNT2

* ALIAS SIGNN2

* DATA TYPE String

* WIDTH 5

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Describes the type of the sign route.

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 'I'

DESCRIPTION Interstate

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 'U'

DESCRIPTION US Route

VALUE 'S'
DESCRIPTION State Route

VALUE 'O'
DESCRIPTION Off-Interstate Business Marker

VALUE 'C'
DESCRIPTION County Route

VALUE 'T'
DESCRIPTION Township

VALUE 'M'
DESCRIPTION Municipal

VALUE 'P'
DESCRIPTION Parkway or Forest Route Marker

VALUE 'N'
DESCRIPTION None of the above

VALUE (blank)
DESCRIPTION Not signed or not applicable

FIELD SIGNN2

- * ALIAS SIGNQ2
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Contains the actual sign route numbers. Using HPMS standards, an optional directional indicator (N, S, E, W) can also be used as part of this field.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

Alpha Numeric

FIELD SIGNQ2

- * ALIAS SIGN3
- * DATA TYPE String
- * WIDTH 7
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Sign Route Qualifier Record which is used to qualify the sign route description follows the Sign Route Number.

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 'A'
DESCRIPTION Alternate Route
ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 'B'
DESCRIPTION Business Route

VALUE 'P'
DESCRIPTION By Pass

VALUE 'S'
DESCRIPTION Spur

VALUE 'L'
DESCRIPTION Loop

VALUE 'F'
DESCRIPTION Proposed (future)

VALUE 'D'
DESCRIPTION Temporary (detour)

VALUE 'T'
DESCRIPTION Truck Route

VALUE 'N'
DESCRIPTION None of the above

VALUE (Blank)
DESCRIPTION No Qualifier, not signed, or not applicable.

FIELD SIGN3

- * ALIAS SIGNT3
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Contains the designated additional secondary Sign Route for the arc.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

The character string is composed of three sub fields SIGNT3, SIGNN3, and SIGNQ3.

FIELD SIGNT3

- * ALIAS SIGNN3
- * DATA TYPE String
- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Describes the type of the sign route.

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 'I'
DESCRIPTION Interstate
ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 'U'
DESCRIPTION US Route

VALUE 'S'
DESCRIPTION State Route

VALUE 'O'
DESCRIPTION Off-Interstate Business Marker

VALUE 'C'
DESCRIPTION County Route

VALUE 'T'
DESCRIPTION Township

VALUE 'M'
DESCRIPTION Municipal

VALUE 'P'
DESCRIPTION Parkway or Forest Route Marker

VALUE 'N'
DESCRIPTION None of the above

VALUE (blank)
DESCRIPTION Not signed or not applicable

FIELD SIGNN3

- * ALIAS SIGNQ3
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Contains the actual sign route numbers. Using HPMS standards, an optional directional indicator (N, S, E, W) can also be used as part of this field.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

Alpha Numeric

FIELD SIGNQ3

- * ALIAS LNAME
- * DATA TYPE String
- * WIDTH 30
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Sign Route Qualifier Record which is used to qualify the sign route description follows the Sign Route Number.

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 'A'
DESCRIPTION Alternate Route
ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 'B'
DESCRIPTION Business Route

VALUE 'P'
DESCRIPTION By Pass

VALUE 'S'
DESCRIPTION Spur

VALUE 'L'
DESCRIPTION Loop

VALUE 'F'
DESCRIPTION Proposed (future)

VALUE 'D'
DESCRIPTION Temporary (detour)

VALUE 'T'
DESCRIPTION Truck Route

VALUE 'N'
DESCRIPTION None of the above

VALUE (Blank)
DESCRIPTION No Qualifier, not signed, or not applicable.

FIELD LNAME

* ALIAS MILES
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Contains the local street name for the arc.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

Should not contain any punctuation characters other than blank, and hyphen. Wherever possible CENSUS Feature Type abbreviations should be used to shorten the local name.

FIELD MILES

* ALIAS KM
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Contains measurement in miles for the arc chain.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

Positive Integers

FIELD KM

* ALIAS FCLASS
* DATA TYPE SmallInteger
* WIDTH 2
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Contains measurement in kilometers for the arc chain.

DESCRIPTION SOURCE

FHWA

DESCRIPTION OF VALUES

Positive Integers

FIELD FCLASS

* ALIAS RUCODE
* DATA TYPE SmallInteger
* WIDTH 2
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Identifies the assigned functional class of each arc.

DESCRIPTION SOURCE

FHWA HPMS 2010

LIST OF VALUES

VALUE 01

DESCRIPTION Rural Principal Arterial - Interstate
ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 02

DESCRIPTION Rural Principal Arterial - Other

VALUE 06

DESCRIPTION Rural Minor Arterial

VALUE 07

DESCRIPTION Rural Major Collector

VALUE 08

DESCRIPTION Rural Minor Collector

VALUE 09

DESCRIPTION Rural Local

VALUE 11

DESCRIPTION Urban Principal Arterial - Interstate

VALUE 12

DESCRIPTION Urban Principal Arterial-Other Freeways & Expressways

VALUE 14

DESCRIPTION Urban Principal Arterial - Other

VALUE 16

DESCRIPTION Urban Minor Arterial

VALUE 17

DESCRIPTION Urban Collector

VALUE 19

DESCRIPTION Urban Local

FIELD RUCODE

* ALIAS STATUS

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Describes the Rural/Urban classification of the arc.

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 1

DESCRIPTION Rural
ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 2

DESCRIPTION Small Urban (2000 pop 5,000 -49,999)

VALUE 3

DESCRIPTION Large Urban (2000 pop >= 50,000)

FIELD STATUS

- * ALIAS NHS
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Describes availability of the arc to through traffic.

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 0

DESCRIPTION Proposed/Under construction

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 1

DESCRIPTION Open to traffic

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 2

DESCRIPTION Ferry route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

FIELD NHS

- * ALIAS STRAHNET
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Special subnetwork for the National Highway System. The following values were converted per direction from the FHWA: 2 (ISTEA High Priority Corridor) was converted to 7 (Other NHS) , 5 (ISTEA High Priority Corridor/ Non-Interstate STRAHNET) was converted to 3 (Non-Interstate STRAHNET), 6 (ISTEA High Priority Corridor/STRAHNET Connector) was converted to 4 (STRAHNET Connector).

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 0

DESCRIPTION Not on NHS

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 1

DESCRIPTION Interstate

VALUE 3

DESCRIPTION Non-Interstate STRAHNET

VALUE 4

DESCRIPTION STRAHNET Connector

VALUE 7

DESCRIPTION Other NHS

VALUE 8
DESCRIPTION Approved Intermodal Connector

VALUE 9
DESCRIPTION Intermodal/STRAHNET Connector

VALUE 10
DESCRIPTION MAP-21 Principal Arterials

FIELD STRAHNET

* ALIAS FAC_ID
* DATA TYPE String
* WIDTH 10
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Special subnetwork for the Strategic Highway Corridor Network as identified by FHWA and the Military Surface Deployment and Distribution Command Transportation Engineering Agency.

DESCRIPTION SOURCE

FHWA

LIST OF VALUES

VALUE 0
DESCRIPTION Not on STRAHNET
ENUMERATED DOMAIN VALUE DEFINITION SOURCE FHWA

VALUE 1
DESCRIPTION STRAHNET Priority 1 Connector

VALUE 2
DESCRIPTION STRAHNET Priority 2 Connector

VALUE 3
DESCRIPTION Non-Interstate STRAHNET

VALUE 4
DESCRIPTION Interstate—Designated Urban 16ft. Vertical Clearance Route

VALUE 5
DESCRIPTION Interstate—Non-Designated Urban 16ft. Vertical Clearance Route

VALUE 6
DESCRIPTION Interstate—all other

FIELD FAC_ID

* ALIAS CONN_ID
* DATA TYPE String
* WIDTH 10
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

FHWA designated Intermodal Facility unique ID.

DESCRIPTION SOURCE

Federal Highway Administration

CODED VALUES

NAME OF CODELIST Alpha-Numeric character set (A-Z, 0-99)
SOURCE FHWA

FIELD **CONN_ID**

- * ALIAS **CONN_DES**
- * DATA TYPE **String**
- * WIDTH **200**
- * PRECISION **0**
- * SCALE **0**

FIELD DESCRIPTION

FHWA designated Intermodal Facility Connector unique ID

DESCRIPTION SOURCE

Federal Highway Administration

CODED VALUES

NAME OF CODELIST Alpha-Numeric character set (A-Z, 0-99)
SOURCE FHWA

FIELD **CONN_DES**

- * ALIAS **CONN_MILES**
- * DATA TYPE **Double**
- * WIDTH **8**
- * PRECISION **0**
- * SCALE **0**

FIELD DESCRIPTION

Description of Intermodal Facility Connectors or Military Installation Connectors

DESCRIPTION SOURCE

Federal Highway Administration

CODED VALUES

NAME OF CODELIST Alpha-Numeric character set (A-Z, 0-99)
SOURCE FHWA

FIELD **CONN_MILES**

- * ALIAS **LRSKEY**
- * DATA TYPE **String**
- * WIDTH **15**
- * PRECISION **0**
- * SCALE **0**

FIELD DESCRIPTION

Total mileage of the designated Connector.

DESCRIPTION SOURCE

Federal Highway Administration

RANGE OF VALUES

MINIMUM VALUE **00**
MAXIMUM VALUE **99**

FIELD **LRSKEY**

- * ALIAS **LRSSEQ**
- * DATA TYPE **SmallInteger**
- * WIDTH **2**
- * PRECISION **0**
- * SCALE **0**

FIELD DESCRIPTION

Uniquely identifies a route within a state.

DESCRIPTION SOURCE

Highway Performance Monitoring System

DESCRIPTION OF VALUES

Created by combining 2 data items from the HPMS: the 12 character LRS Identification field (HPMS Data Item 10) plus the 3 character County FIPS Code (HPMS Data Item 4).

FIELD **LRSSEQ**

- * ALIAS **BEGMP**
- * DATA TYPE **Double**
- * WIDTH **8**
- * PRECISION **0**
- * SCALE **0**

FIELD DESCRIPTION

NHPN arc mile point sequence number.

DESCRIPTION SOURCE

FHWA

CODED VALUES

NAME OF CODELIST Alpha-Numeric character set (A-Z, 0-99)

SOURCE FHWA

FIELD BEGMP

* ALIAS ENDMP

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Beginning mile point for the NHPN arc segment.

DESCRIPTION SOURCE

FHWA

RANGE OF VALUES

MINIMUM VALUE 00

MAXIMUM VALUE 99

FIELD ENDMP

* ALIAS Shape_Length

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Ending mile point of the NHPN arc segment.

DESCRIPTION SOURCE

FHWA

RANGE OF VALUES

MINIMUM VALUE 00

MAXIMUM VALUE 99

* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

References

AGGREGATE INFORMATION

ASSOCIATION TYPE cross reference

AGGREGATE RESOURCE NAME

TITLE National Transportation Atlas Databases (NTAD) 2015

PUBLICATION DATE 2015-01-01

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

RESOURCE LOCATION ONLINE

LOCATION http://www.bts.gov/programs/geographic_information_services/

Metadata Details

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME * dataset

* LAST UPDATE 2016-07-22

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE FGDC CSDGM Metadata

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2016-03-21 16:35:36

LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-07-22 14:53:53

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

Metadata Contacts

METADATA CONTACT ORGANIZATION'S NAME
FHWA
CONTACT'S ROLE point of contact

Metadata Maintenance

MAINTENANCE
DATE OF NEXT UPDATE 2014-05-01 00:00:00
UPDATE FREQUENCY unknown